



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
SUPERFUND SITE STRATEGY RECOMMENDATION - REGION 06



Site Name: Doris Mine - NM0060

CERCLIS ID#: N/A

Alias Site Name: Section 21, Doris No. 1, Little Doris, Doris decline, Flea-Doris extension, Doris West Extension

Address: Latitude 35 degrees 20'20.24" Longitude 107 degrees 47'48.34"

City/County or Parish/State/Zip: McKinley County, New Mexico



650858

Report Type: Pre-CERCLIS Screening

Date: 09/10/09

Author: NMED

RECOMMENDATION:

☐ 1. No Further Remedial Action Planned  
Under Superfund (NFRAP)

☐ 2. Further Investigation Needed Under Superfund

☐ PA ☐ HRS Priority: ☐ High  
☐ SI ☐ RI/FS ☐ Low  
☐ ESI ☐ RA  
☐ Other: \_\_\_\_\_

To be performed by: \_\_\_\_\_

☐ 3. Action Deferred to: ☐ RCRA ☐ NRC

☒ 4. Site Being Addressed Under the State Voluntary Cleanup Program (VCP): ☐ Yes ☒ No

NOTIFY AUTHORITY:

☐ Removal ☐ RCRA ☐ TSCA ☐ CAA ☐ SMCRA  
☐ Remedial ☒ State/Tribe ☐ NPDES ☐ NRC ☐ Resource Trustee: \_\_\_\_\_  
☐ CERCLA ☐ Federal ☐ UIC ☐ SPCC ☐ Other: \_\_\_\_\_  
Enforcement Facility

SEND SSSR COPIES TO: ☐ 6SF-AC ☐ 6WQ-SP ☐ ATSDR ☒ State Agency ☐ Tribal Agency

DISCUSSION:

The New Mexico Environment Department (NMED) conducted a site assessment on July 1, 2009 at the Doris Mine site. The mine operated as a wet mine. In the early 1990's, the mine site was reclaimed by sealing declines, removing debris and regarding waste rock in order to promote proper drainage. Based on these reclamation activities, the New Mexico Energy Minerals and Natural Resources Department, Mine and Minerals Division (MMD) released the mine site from further requirements under the New Mexico Mining Act (NMMA) in 1995.

NMED observed that the site has a fenced open decline within a collapsing subsidence crater and a second unfenced and caved shaft one quarter of a mile south of the decline. Several waste material piles are scattered around the site and a maximum gamma radiation reading of 823 counts per second was measured. An archaeological site, marked by piles of rock and pottery shards, is located in the middle of the mine site. An erosional protection berm has been constructed parallel to highway 605 along most of the site perimeter. NMED anticipates that the fence will collapse as the crater continues to enlarge. Since MMD has released the mine site from further reclamation under NMMA in 1995, the physical hazards may go unaddressed. There are several residences noted within one mile of the mine site. One livestock well is located less than one mile from the mine site with a total uranium concentration of 52.8 ug/l. The land surface and mineral rights are privately held.

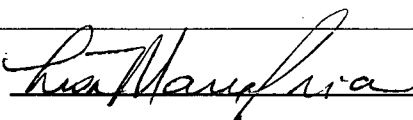
In October 2011, EPA conducted an aerial radiological survey in the Poison Canyon area of the Ambrosia Lake sub-district by using the Airborne Spectral Photometric Environmental Collection Technology (ASPECT). The Doris Mine was included in the ASPECT survey. The gamma radiation readings at the Doris Mine site were only slightly statistically

greater than background readings in the area.

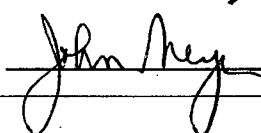
Although physical hazards due exist, EPA recommends that the Doris Mine should be considered a low priority under CERCLA due to low gamma radiation readings.

**APPROVALS:**

Report Reviewed by: Lisa Marie Price  
(Site Assessment Manager)

Signature:  Date: 1/24/12

Disposition  
Approved by: John Meyer  
(Section Chief 6SF-TR)

Signature:  Date: 1/25/12